

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL ☒ DEEPEN ☐ PLUG BACK ☐NAME OF COMPANY OR OPERATOR Willis L. Lee DATE October 28, 1977

RR #1, Box 81

Cleveland

Missouri 64734

Address

City

State

DESCRIPTION OF WELL AND LEASE

Name of lease

None

Well number

1

Elevation (ground)

870

WELL LOCATION

(give footage from section lines)

1800

ft. from (X) (S) sec. line

600

ft. from (X) (W) sec. line

WELL LOCATION

Section 35

Township 44

Range 33

County

Cass

Nearest distance from proposed location to property of ~~owner~~ line:

800 feet

Distance from proposed location to nearest drilling, completed or applied - for well on the same lease:

N/A feet

Proposed depth:

300'

Rotary or Cable tools

Rotary

Approx. date work will start

November 1, 1977

Number of acres in lease:

300

Number of wells on lease, including this well, completed in or drilling to this reservoir:

1

Number of abandoned wells on lease:

0

If lease, purchased with one or more wells drilled, from whom purchased:

Name _____

Address _____

No. of Wells: producing _____

inactive _____

abandoned _____

Status of Bond

Single Well ☒ Amt. \$1000.00Blanket Bond ☐ Amt. _____☐ ON FILE
☒ ATTACHED

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) use back of form if needed.

Proposed casing program:

amt.
100'size
6 5/8"wt./ft.
13 lbs.cem.
100'

Approved casing - To be filled in by State Geologist

amt.

size

wt./ft.

cem.

I, the undersigned, state that I am the _____ of the _____ (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature _____

Permit Number: 20040Approval Date: 3 Nov 1977Approved By: Wallace B. H. H. H.

Note: This Permit not transferable to any other person or to any other location.

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OCT 31 1977

MO. OIL & GAS COUNCIL

☒ SAMPLES REQUIRED☐ SAMPLES NOT REQUIRED

WATER SAMPLES REQUIRED @:

Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250 Rolla, Mo. 65401

One will be returned.

Approval of this permit by the Oil and Gas Council does not constitute endorsement of the geologic merits of the proposed well nor endorsement of the qualifications of the permittee.

MISSOURI OIL AND GAS COUNCIL
WELL LOCATION PLAT

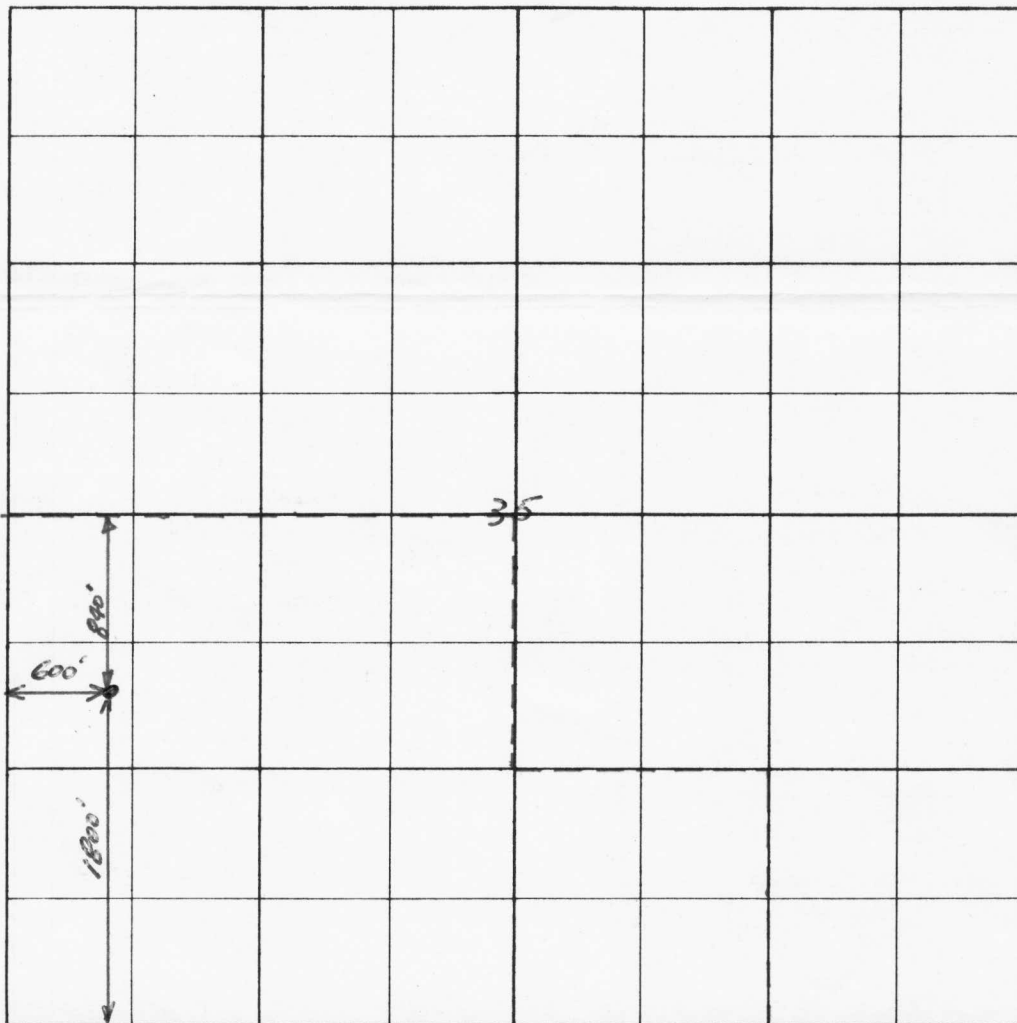
Form OGC - 4

Owner: Willis L. Lee

Lease Name: None County, Cass

1800 feet from (S) line and 600 feet from (W) line of Sec. 35 Twp. 44 Range 33

SCALE
1" = 1000'



REMARKS: Willis L. Lee's Farm contains 301 acres located in Sections 34 and 35, T44, R33 and in Section 2, T43, R33.

INSTRUCTIONS

On the above plat, show distance of the proposed well from the two nearest lease and section lines, and from the nearest well on the same lease completed in or drilling to the same reservoir. If the location requested is not in conformance with the applicable well-spacing rules, show all off-setting wells to the proposed well. Do not confuse survey lines with lease lines. See rule 7 - 3 (b) for survey requirements.

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P.O. Box 250 Rolla, Mo. 65401
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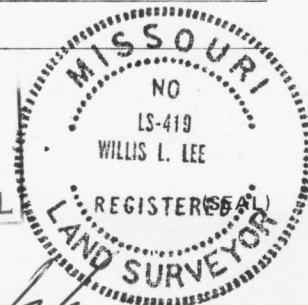
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Registered Land Surveyor



MISSOURI OIL AND GAS COUNCIL

Form OGC-5

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

New Well ☒ Work-Over ☐ Deepen ☐ Plug Back ☐ Same Reservoir ☐ Different Reservoir ☐ Oil ☐ Gas ☒ Dry ☐

Owner Willis L. Lee		Address Box 81, RR 1, Cleveland, Mo. 64734	
Lease Name Same		Well Number 1	
Location SW 1/4, NW 1/4, SW 1/4, Sec. 35, T 44 N, R 33 W		Sec. — TWP-Range or Block & Survey	
County Cass	Permit number (OGC3 number) 20040		
Date spudded 12/1/77	Date total depth reached 12/1/77	Date completed, ready to produce 12/3/77	Elevation (DF, RKB, RT or Gr.) 875 feet
Total depth 220	P. B. T. D. App. Gr. 876 feet		
Producing interval (s) for this completion 187 - 193		Rotary tools used (interval) From 0 to 220 Drilling Fluid used Air	Cable tools used (interval) From _____ to _____
Was this well directionally drilled? No	Was directional survey made? No	Was copy of directional survey filed? No	Date filed
Type of electrical or other logs run (list logs filed with the State Geologist) None			Date filed

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb. ft.)	Depth set	Sacks cement	Amt. pulled
Surface	10"	6 5/8" Steel	13	113	11	0
Producing	6 1/8"	4 1/2"	Plastic	220	0	0

TUBING RECORD

LINER RECORD

Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)
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PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
12	3/16"	180 to 220	None	

INITIAL PRODUCTION

Date of first production 12/1/77		Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:) Flowing				
Date of test 12/1/77	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF 5,000 GPD Est.	Water prod. during test bbls.	Oil gravity API (Corr.)
Tubing pressure	Casing pressure well head 400 psi	Cal'd rate of Production per 24 hr.	Oil bbls.	Gas MCF	Water 700 GPD	Gas—oil ratio

Disposition of gas (state whether vented, used for fuel or sold):

Used for fuel by owner for sole and private use

Method of disposal of mud pit contents:

Spread on ground surface

CERTIFICATE: I, the undersigned, state that I am the **Owner** of the _____ (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

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Signature

Remit two copies: one will be returned.

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
	0	25	Overburdon
	25	55	Gray Shale
	55	65	Dark Shale
	65	87	Gray Shale
	87	105	Gray Sand
	105	130	Green and Red Shale
	130	134	Limestone
	134	150	Gray Shale
	150	160	Limestone
	160	182	Gray Shale
	182	187	Limestone
	187	193	Dark Coal and Sand - Gas
	193	210	Gray Sand and Shale
	210	220	Light Sandy Shale

*Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well if available.

This Well Completion or Recompletion report and well log shall be filed with the Missouri State Geologist not later than 30 days after project completion.

Sample cuttings were taken by the driller at 10' intervals, however, they were accidentally destroyed when the drilling mud was cleaned up around the well.

Owner Willis Lee

Sec. _____ Twp. _____ Range _____

Drilling Contractor Clint's Rotary Drilling

County Cass

Date well completed 12/1/77

Casing: Amount 114' Size 6 5/8" steel

Total Depth 220'

Casing: Amount 110' Size 4 1/2" plastic

Yield (Gal. per min.) 5,000 GFPD

Size of hole at bottom 6 1/8"

Depth to water (Static water level) _____

DEPTH IN FEET		KIND OF ROCK	REMARKS	DEPTH IN FEET		KIND OF ROCK	REMARKS
FROM	TO			FROM	TO		
0	25	Overburdon		210	220	Light Sandy Shale	
25	55	Gray Shale					
55	65	Dark Shale					
65	87	Gray Shale					
87	105	Gray Sand					
105	130	Green and Red Shale					
130	134	Limestone					
134	150	Gray Shale					
150	160	Limestone					
160	182	Gray Shale					
182	187	Limestone					
187	193	Dark Coal and Sand - Gas					
193	210	Gray Sand and Shale					

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DGLS

DEC 30 1977
1977

Rt. 1, Box 81
Cleveland, Missouri 64734
December 28, 1977

Missouri State Oil and Gas Council
P.O. Box 250
Rolla, Missouri 65401

Att: Mr. Jack Wells, Geologist
Subsurface Geology and Oil and Gas Section

Dear Mr. Wells:

Enclosed are two copies of Form OGC-5 pertaining to my gas well.

Yours truly,


WILLIS L. LEE